

Serial No. 09/869,145
Amdt. dated **September 24, 2004**
Reply to Office Action of July 1, 2004

Docket No. P-0224

Amendments to the Specification

Please replace the paragraph beginning at line 19 on page 6 with the following new paragraph:

Here, the ~~cost~~ cos term and the sin term ~~has~~ have a specific symmetry in a Cartesian coordinate system, $V_{nm}(x,y)$ also has a specific symmetry (refer to Figures 4A through 5B).

Please replace the paragraph beginning at line 19 on page 12 with the following new paragraph:

Here, with respect to the moment basis function and the pixel value of the input image, in case of binary image, black portions ~~[[has]]~~ have a pixel value of 1, white portions ~~[[has]]~~ have a pixel value of 0, or vice versa. On the other hand, in case of grayscale image, the pixel value is recognized a value between 0 and 255.

Please remove the header entitled "INDUSTRIAL APPLICABILITY" at the bottom of page 13.